

Data sheet

23.04.2012 MADE WITH VERSION: 7.10



Manufacturer

VEM motors GmbH
Carl-Friedrich-Gauß-Straße 1

Customer

Deuchi
To offer: 120412-P-0291

D-38855 Wernigerode

Three-phase motors with squirrel cage rotor, standard motors

Housing grey cast iron

Type	IE2-WE2R 160 M4 KV HW		
Design output	11		
Design torque	(Nm)	71	
Class IE	(-)	IE2-90,3%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	1470	
Voltage	(V)	230/400	
Connection	(-)	D	Y
Current	(A)	39.1	22.5
Relative pull-in current	(-)	7,8	
Relative starting torque	(-)	2,4	
Relative pull-out torque	(-)	3,9	
Efficiency 100/75/50 %	(%)	90,3 / 90,3 / 88,9	
Power factor	(-)	0,78	
Th. cl.		155(F)	
Coolant temperature	(°C)	40°C	
Altitude above sea level	(m)	1000m	
Degree of protection		IP55	
Moment of inertia	(kgm²)	0,043	
Motor weight	(kg)	125	
Bearing, D-side		6309 ZZ C3	
Bearing, N-side		6308 ZZ C3	
Relubrication interval	(h)		
Grease type		Klüberquiet BQ 72-72	
Grease amount	(g)		
Special details to bearings 1		none	
Special details to bearings 2		Fixed bearing, N-side	
Bearing monitoring		none	
Winding protection		none	
Winding protection 2		none	
Anti-condensation heating		none	
Special versions 1		none	
Special versions 2		none	
Special versions 3		none	
Special versions 4		none	
Limit values to vibration velocity		Class A	
Balancing with half key			
Colour system		Moderate	
Colour shade		RAL 7031 blue-grey	
Layer thickness		70 µm	

Delivery conditions and/or official regulations: IEC / EN 60034-1

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Mounting position



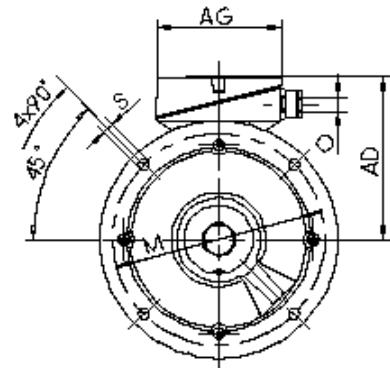
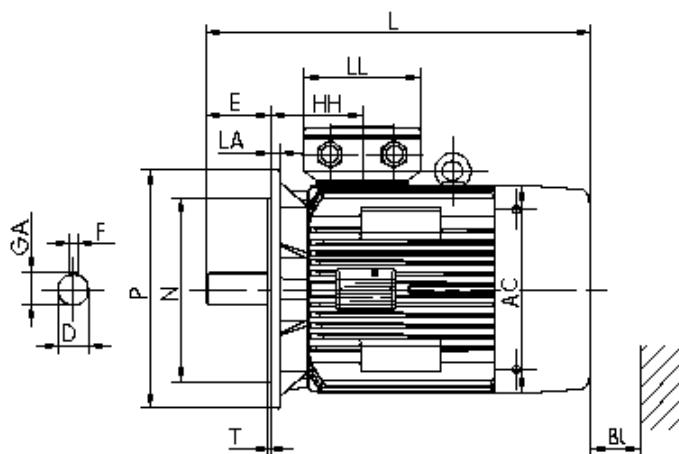
Type of mounting: IMB5

Flange: FF 300[A 350]

Position of terminal box: on the top

Terminal box: KK 63 A

Cable gland O: 1 xM 40x1,5



Motor	A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
Terminal box														
L	609	LC	H	160	HA	HD	HH	BI			AG	LL	BE	AH
Flange														
P	350	N	250	LA	M	300	T	S			H	N	D	DA
D	42	E	110	GA	F	DB	Shaft-DS			DA	EA	GC	FA	
				45	12	DIN 332 DS- M16	Shaft-NS			-	-	-	-	

DB...Centre hole

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